

as cont disable signal coupling 213. Filter circuit 220 comprises circuit elements 221, 222, 223, 224, 225, 226 and 228. Inverting amplifier 230 comprises circuit elements 231, 232, 233 and 234, and operational amplifier 235. Integrating filter 240 comprises circuit elements 236, 241, 242, 243, 244 and 280, and operational amplifier 245. --

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as -- ABSTRACT OF THE DISCLOSURE

An apparatus and method are presented for dynamically disabling a first audio input/output ("I/O") connector when an audio I/O device is coupled to a second audio I/O connector, locating the disablement point to reduce significantly any spurious noise coupled onto the primary audio I/O connector and its associated electrical components and cabling. An advantage is that it can be implemented with components that provide low resistance from the first audio I/O connector to ground, thoroughly grounding, and significantly reducing spurious noise coupled onto, the first audio I/O connector and associated electronics and cabling. This invention therefore also significantly reduces the spurious noise processed with, and therefore interfering with, the signal associated with a device coupled to a second audio I/O connector, significantly increasing the quality of the input or output signal from that secondary device. Another advantage is that the components required are relatively inexpensive and can be purchased in single units. --

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